

# Atul A Sagade

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

411  
citations

759233

12  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of solar cooker with tracking type bottom reflector retrofitted with a novel design of thermal storage incorporated absorber plate. Journal of Energy Storage, 2022, 51, 104432.	8.1	20
2	Concentrating solar cookers in urban areas: Establishing usefulness through realistic intermediate temperature rating and grading. Solar Energy, 2022, 241, 157-166.	6.1	16
3	Solar cooker with tracking-type bottom reflector: An experimental thermal performance evaluation of a new design. Solar Energy, 2021, 220, 295-315.	6.1	34
4	Recent Advancements in Technical Design and Thermal Performance Enhancement of Solar Greenhouse Dryers. Sustainability, 2021, 13, 7025.	3.2	23
5	Methane production enhancement of a family-scale biogas digester using cattle manure and corn stover under cold climates. Sustainable Energy Technologies and Assessments, 2021, 45, 101163.	2.7	11
6	Performance of solar funnel cookers using intermediate temperature test load under low sun elevation. Solar Energy, 2021, 225, 978-1000.	6.1	20
7	Experimental performance evaluation of a parabolic dish solar geyser using a generalized approach for decentralized applications. Sustainable Energy Technologies and Assessments, 2021, 47, 101454.	2.7	5
8	Enabling open sun cooling method-based estimation of effective concentration factor/ratio for concentrating type solar cookers. Solar Energy, 2021, 227, 568-576.	6.1	17
9	Experimental determination of the thermal performance of a solar box cooker with a modified cooking pot. Renewable Energy, 2020, 150, 1001-1009.	8.9	37
10	Mathematical modeling and experimental validation of the thermal performance of a novel design solar cooker. Solar Energy, 2020, 207, 40-50.	6.1	43
11	Ensuring the completion of solar cooking process under unexpected reduction in solar irradiance. Solar Energy, 2019, 179, 286-297.	6.1	26
12	Experimental determination of effective concentration ratio for solar box cookers using thermal tests. Solar Energy, 2018, 159, 984-991.	6.1	37
13	Enabling rating of intermediate temperature solar cookers using different working fluids as test loads and its validation through a design change. Solar Energy, 2018, 171, 354-365.	6.1	35
14	Investigation of Thermal Performance of FRP Parabolic Trough Collector Using Different Receivers. , 2018, , 879-889.		1
15	Thermal Performance of Parabolic Dish Water Heater with Helical Coiled Receiver. , 2018, , 833-844.		1
16	Experimental investigation into different selectively coated receivers and silver-coated selective surface compound parabolic reflector using regression modelling for industrial heating. International Journal of Sustainable Engineering, 2016, 9, 189-196.	3.5	2
17	Experimental investigation of effect of variation of mass flow rate on performance of parabolic dish water heater with non-coated receiver. International Journal of Sustainable Energy, 2015, 34, 645-656.	2.4	8
18	Effect of Receiver Temperature on Performance Evaluation of Silver Coated Selective Surface Compound Parabolic Reflector with Top Glass Cover. Energy Procedia, 2014, 48, 212-222.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Performance evaluation of low-cost FRP parabolic trough reflector with mild steel receiver. International Journal of Energy and Environmental Engineering, 2013, 4, 5.	2.5	28
20	Experimental investigations on black epoxy coated aluminium receiver with FRP parabolic trough collector. , 2013, , .		1
21	Experimental performance evaluation of 500W mini wind mill. , 2013, , .		1
22	Comparative experimental analysis of the effect of convective heat losses on the performance of parabolic dish water heater. International Journal of Sustainable Engineering, 2013, 6, 258-266.	3.5	11
23	Performance evaluation of parabolic dish type solar collector for industrial heating application. International Journal of Energy Technology and Policy, 2012, 8, 80.	0.2	12
24	Experimental Investigation of Variation of Mass Flow Rate on the Performance of Parabolic Dish Collector with Nickel Chrome Coated Receiver. International Journal of Sustainable Energy Development, 2012, 1, 29-35.	0.4	0